

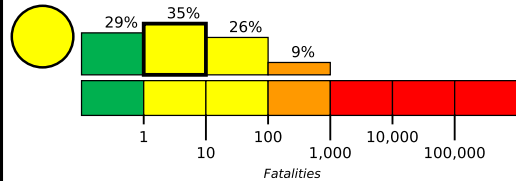
M 5.6, 8 km E of Cartago, Colombia

Origin Time: 2024-01-19 11:26:03 UTC (Fri 06:26:03 local)  
Location: 4.7409° N 75.8390° W Depth: 59.5 km

PAGER Version 5

Created: 2 weeks, 6 days after earthquake

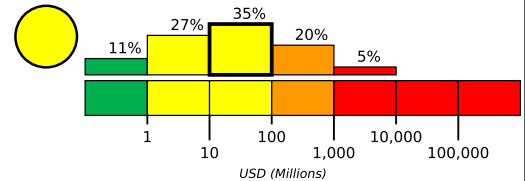
Estimated Fatalities



Yellow alert for shaking-related fatalities and economic losses. Some casualties and damage are possible and the impact should be relatively localized. Past yellow alerts have required a local or regional level response.

Estimated economic losses are less than 1% of GDP of Colombia.

Estimated Economic Losses

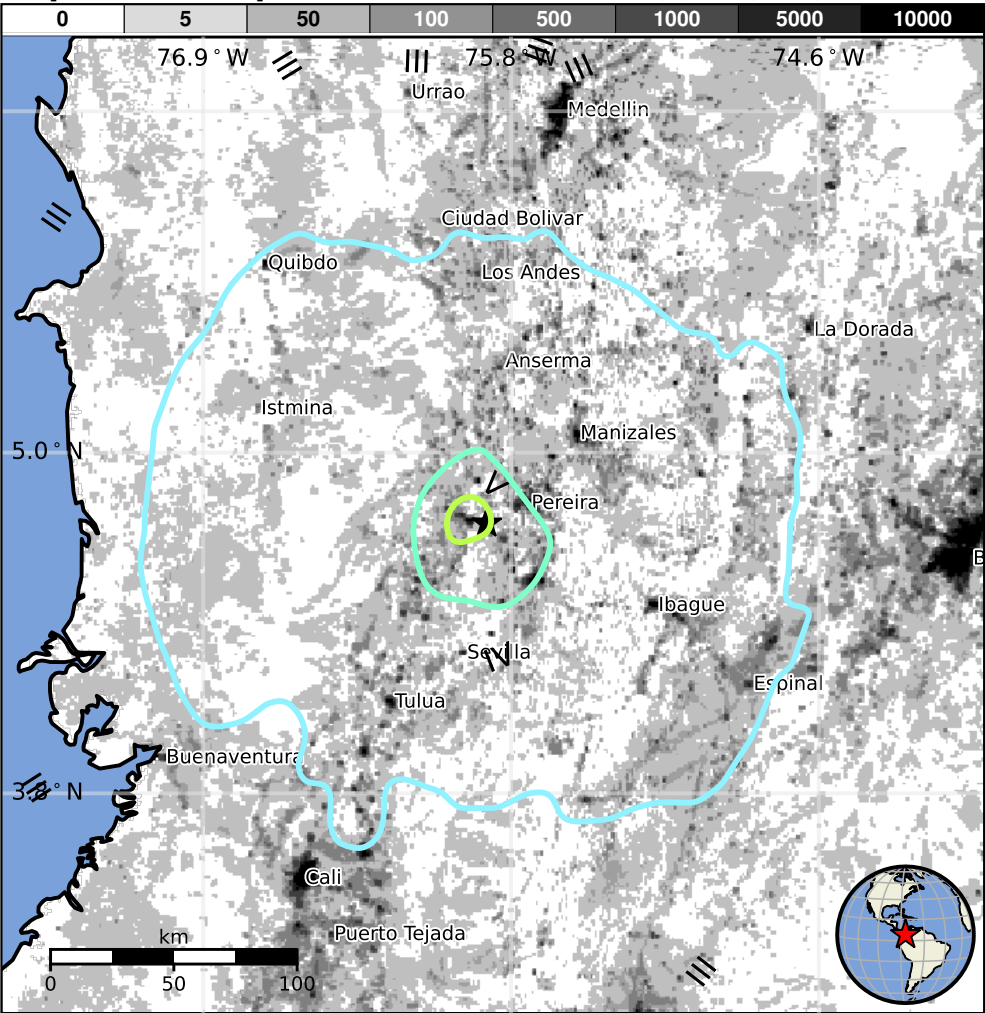


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	19,417k*	5,647k	943k	115k	42k	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are mud wall with wood and unknown/miscellaneous types construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1983-03-31	271	5.6	VII(47k)	241
1994-06-06	204	6.8	VIII(7k)	295
1999-01-25	37	6.1	VIII(27k)	1k

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
VII	Cartago	135k
V	Ansermanuevo	12k
V	La Virginia	34k
V	Alcala	9k
V	Obando	7k
V	Quimbaya	31k
IV	Pereira	440k
IV	Ibague	422k
IV	Bogota	7,674k
III	Cali	2,393k
III	Medellin	2,000k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.  
<https://earthquake.usgs.gov/earthquakes/eventpage/us6000m4n2#pager>

bold cities appear on map.

(k = x1000)